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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**Ruoping Chen, Huong T. Dang, Chen W. Liaw, I-Lin Lin**

Serial No.: Not yet assigned

Group Art Unit: Not yet assigned

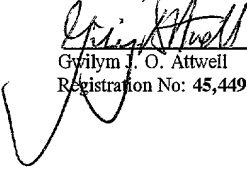
Filed: Herewith

Examiner: Not yet assigned

**For: HUMAN ORPHAN G PROTEIN-COUPLED RECEPTORS**

I, Gwilym J. O. Attwell, Registration No. 45,449 certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

On June 6, 2001

  
Gwilym J. O. Attwell  
Registration No: 45,449

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

**PRELIMINARY AMENDMENT**

Preliminary to examination of this application, please amend this application as set forth below.

**In the Specification:**

Please delete the Sequence Listing on file and renumber following pages accordingly.

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**In the Sequence Listing:**

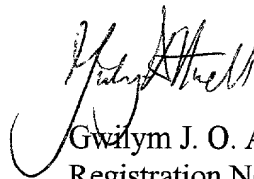
Please insert pages 1-52 comprising the Sequence Listing.

**REMARKS**

Applicants attach hereto a paper copy of the Sequence Listing presently on file in parent application 09/417,044. Applicants respectfully request that the Patent Office use the latest filed Computer Readable Form of the Sequence Listing filed in Ser. No. 09/417,044 as the Computer Readable Form of the Sequence Listing for the present application, making the necessary changes in application number and filing date.

Applicants believe all of the claims presently before the Examiner patentably define the invention over the prior art and are otherwise in condition for ready allowance. Applicants respectfully request early notification of the same.

Respectfully submitted,



Gwilym J. O. Attwell  
Registration No. 45,449

Date: *June 6, 2001*

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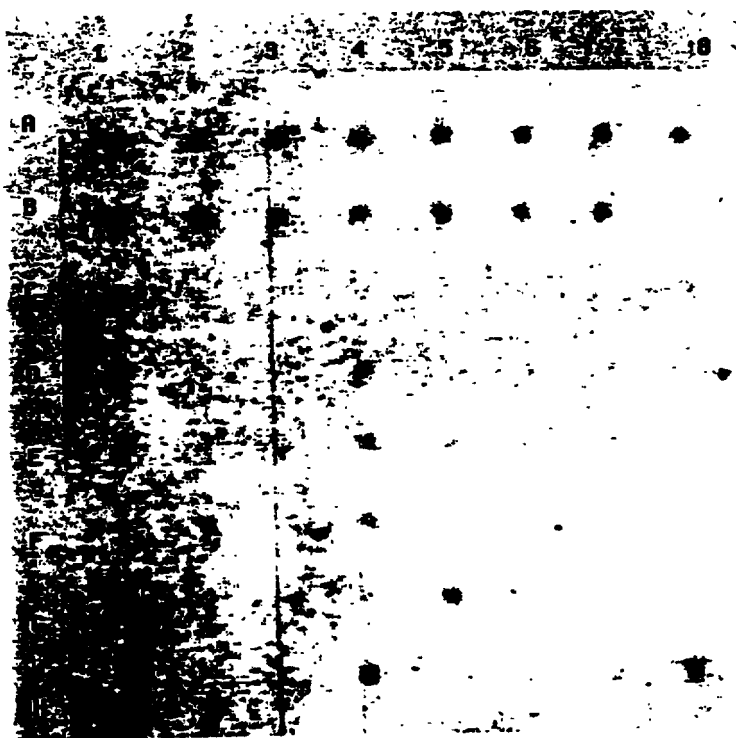
	1	2	3	4	5	6	7	8
A		Amygdala	Caudate Nucleus	Cerebellum	Cerebral Cortex	Frontal Cortex	Hippocampus	Medulla Oblongata
B	Occipital Cortex	Putamen	Substantia Nigra	Temporal Cortex	Thalamus	Accumbens	Spinal Cord	
C	Heart	Aorta	Skeletal Muscle	Colon	Bladder	Uterus	Prostate	Stomach
D	Testis	Ovary	Pancreas	Pituitary	Adrenal Gland	Thyroid	Salivary Gland	Mammary Gland
E	Kidney	Liver	Small Intestine	Spleen	Thymus	Peripheral Leukocyte	Lymph Node	Bone Marrow
F	Appendix	Lung	Trachea	Placenta				
G	Fetal Brain	Fetal Heart	Fetal Kidney	Fetal Liver	Fetal Spleen	Fetal Thymus	Fetal Lung	
H								

Figure 1A

1	2	3	4	5	6	7	8	9	10	11	12
	Cerebellum Left	Substantia Nigra	Heart	Esophagus	Colon Transverse	Kidney	Lung	Liver	Leukemia HL-60	Fetal Brain	
Cerebral Cortex	Cerebellum Right	Accumbens	Aorta	Stomach	Colon Descending	Skeletal Muscle	Placenta	Pancreas	HeLa S3	Fetal Heart	
Frontal Cortex	Corpus Callosum	Thalamus	Atrium Left	Duodenum	Rectum	Spleen	Bladder	Adrenal Gland	Leukemia K562	Fetal Kidney	
Parietal Lobe	Amygdala	Pituitary Gland	Atrium Right	Jejunum		Thymus	Uterus	Thyroid	Leukemia MOLT-4	Fetal Liver	
Occipital Cortex	Caudate Nucleus	Spinal Cord	Ventricle Left	Ileum		Peripheral Leukocyte	Prostate	Salivary Gland	Burkitt's Lymphoma Raji	Fetal Spleen	
Temporal Cortex	Hippocampus		Ventricle Right	Ileocecum		Lymph Node	Testis	Mammary Gland	Burkitt's Lymphoma Daudi	Fetal Thymus	
Paracentral Gyrus of Cerebral Cortex	Medulla Oblongata		Inter Ventricular Septum	Appendix		Bone Marrow	Ovary		Colorectal Adenocarcinoma SW480	Fetal Lung	
Pons	Putamen		Apex of the Heart	Colon Ascending		Trachea			Lung Carcinoma A549		

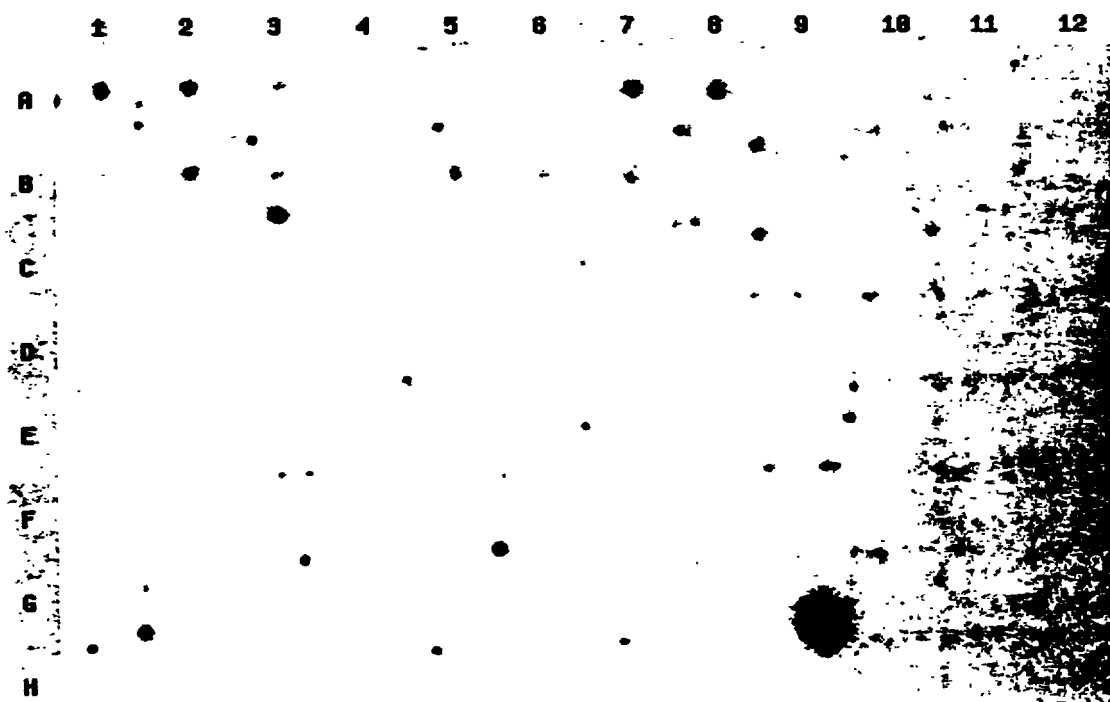
Figure 1B

Figure 2

 $2A$ 

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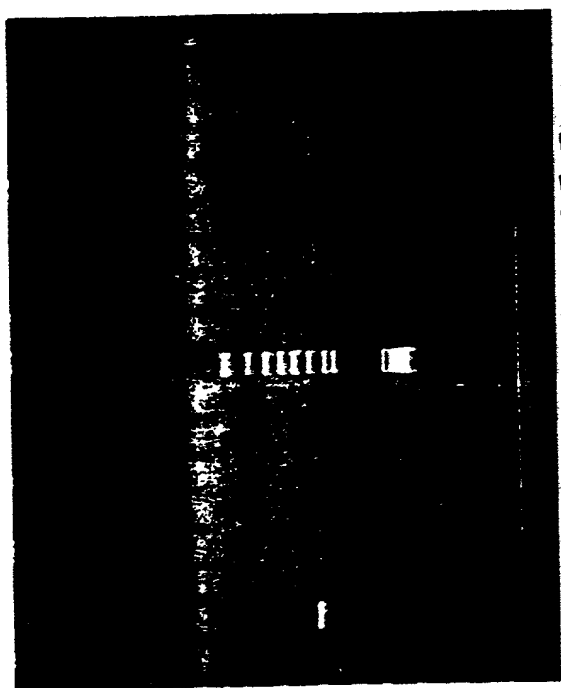


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Figure 4

Brain  
Colon  
Heart  
Kidney  
Leukocyte  
Liver  
Lung  
Ovary  
Pancreas  
Pituitary  
Placenta  
Prostate  
Skeletal Muscle  
Small Intestine  
Spleen  
Testis  
Thymus  
H<sub>2</sub>O

Figure 5



Brain  
 Colon  
 Heart  
 Kidney  
 Leukocyte  
 Liver  
 Lung  
 ovary  
 Pancreas  
 placenta  
 prostate  
 skeletal  
 Mus.  
 Small Int.  
 spleen  
 Testis  
 Thymus  
 H<sub>2</sub>O

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Am. J. C.